IN THE SPECIFICATION:

Please delete the paragraphs on page 4, lines 2-22 and replace them with the following:

Accordingly, the present invention consists in a system for delivering a supply of gases to a patient comprising:

a gases supply providing a flow of gases,

a humidifier receiving said flow of gases from said gases supply and capable of humidifying said flow of gases up to a level of humidity prior to delivery to said patient,

a conduit conveying said flow of gases from said humidifier to said patient,

a sensor to sense the humidity, temperature or flow rate of said flow of gases, said sensor in use being releasably coupled in line between said humidifier and said conduit, and

a filter material such that said sensor is exposed to said flow of gases through said filter material.

In a second aspect the present invention consists in a sensing device to sense humidity, temperature or flow rate of a flow of gases after said flow of gases have been humidified by a humidifier and providing feedback to a controller which controls said humidifier, said sensing device comprising:

a cartridge or open tubular section,

a sensor, and

a filter material,

wherein said cartridge or open tubular section is coupled to said sensor, such that said sensor is exposed to said flow of gases through said cartridge or open tubular section through said filter material.

Please delete the paragraph starting on page 6, line 23 and ending on page 7, line 5, and replace it as follows:

With reference to Figure 1 a humidified positive pressure ventilation system is shown that may utilise the sensing means of the present invention. A patient 1 is receiving humidified and pressurised gases through a nasal mask 2 connected to a humidified gases transportation means or inspiratory conduit 3. It should be understood that delivery systems could also be VPAP (Variable Positive Airway Pressure) and BiPAP (Bi-level Positive Airway Pressure) or numerous other forms of respiratory therapy. The inspiratory conduit 3 is connected to the outlet 4 of a humidification chamber 5, which contains a volume of water 6. The inspiratory conduit 3 may contain heating means or heater wires (not shown), which heat the walls of the conduit to reduce condensation of humidified gases within the conduit. The humidification chamber 5 ~~chamber 6~~ is preferably formed from a plastics material and may have a highly heat conductive base (for example an aluminium base) which is in direct contact with a heater plate 7 of humidifier 8. The humidifier 8 is provided with control means or electronic controller 9 which may comprise a microprocessor based controller executing computer software commands stored in associated memory.